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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Alexandre KOLLEP et al. Confirmation No.: 1623

Patent No.: 6,698,332 B2

Application No.: 10/084,617

Patent Date: March 2, 2004

Filing Date: February 28, 2002

For: DEVICE FOR EXTRACTING A  
SUBSTANCE FOR THE  
PREPARATION OF A DRINK

Attorney Docket No.: 88265-6619

**REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 C.F.R. § 1.322**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Certificate

MAR 26 2004

of Correction

Sir:

Applicants hereby respectfully request the issuance of a Certificate of Correction in connection with the above-identified patent. The corrections are listed on the attached Form PTO-1050, submitted in duplicate. The corrections requested are as follows.

Title Page:

Item [57] **ABSTRACT**, line 13, after "closing lever and the traction rods are fixed by", please delete "means of".

Column 7:

Line 34 (claim 7, line 22), change "support members" to -- support member --.

Line 41 (claim 7, line 29), change "members at a traction" to -- member at a traction --.

Column 8:

Line 62 (claim 22, line 2), change "axis are disposed" to -- axes are disposed --.

Line 67 (claim 23, line 4), change "together at a support" to -- together at a support --.

Column 10:

Line 5, after "movement of the" insert -- support members between the open and closed positions upon movement of the --.

MAR 26 2004

Support for all of the above corrections can be found in applicants' Amendment filed August 7, 2003.

The requested corrections are for errors that appear to have been made by the Office. Therefore, no fee is believed to be due for this request. Should any fees be required, however, please charge such fees to Winston & Strawn LLP Deposit Account No. 50-1814. Please issue a Certificate of Correction in due course.

Respectfully submitted,

3-23-04

Date



Allan A. Fanucci, Reg. No. 30,256

**WINSTON & STRAWN LLP  
Customer No. 28765**

202-371-5904

UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION

PATENT NO.: 6,698,332 B2  
DATED: March 2, 2004, 2004  
INVENTORS: Kollep et al.

Page 1 of 1

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UNITED STATES PATENT AND TRADEMARK OFFICE  
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(12) **United States Patent**  
Kollep et al.

(10) **Patent No.:** US 6,698,332 B2  
(45) **Date of Patent:** Mar. 2, 2004

(54) **DEVICE FOR EXTRACTING A SUBSTANCE FOR THE PREPARATION OF A DRINK**

(75) Inventors: Alexandre Kollep, Lutry (CH); Daniel Fischer, Romanshorn (CH); Mischa Stieger, St.-Gallen (CH)

(73) Assignee: Nestec S.A., Vevey (CH)

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: 10/084,617

(22) Filed: Feb. 28, 2002

(65) **Prior Publication Data**

US 2002/0121198 A1 Sep. 5, 2002

**Related U.S. Application Data**

(63) Continuation-in-part of application No. PCT/EP00/08189, filed on Aug. 22, 2000.

(30) **Foreign Application Priority Data**

Aug. 31, 1999 (EP) ..... 99117107

(51) Int. Cl.<sup>7</sup> ..... A47J 31/40; A47J 31/06

(52) U.S. Cl. ..... 99/289 R; 99/295; 99/302 R

(58) **Field of Search** ..... 99/279, 287, 289 R, 99/295, 300, 302 R, 302 P

(56) **References Cited**

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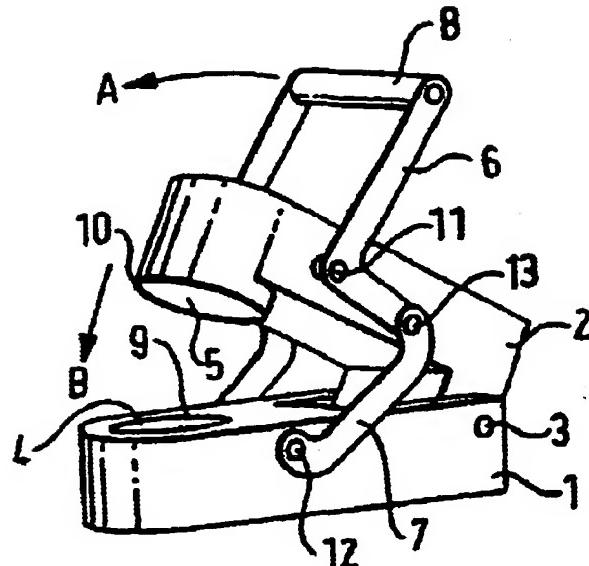
*Primary Examiner—Reginald L. Alexander*

(74) *Attorney, Agent, or Firm—Winston & Strawn LLP*

(57) **ABSTRACT**

The present invention relates to a device for extracting a substance for the preparation of a drink. This device includes a first, fixed piece and a second piece that is movable relative to the first about an axis of rotation lying at the rear of the two pieces, with the front of each piece providing a cavity for the substance to be extracted. The device also includes a system for closing and opening the two pieces. This system possesses a two-armed closing lever and two traction rods. The two arms of the closing lever are arranged to rotate about a first pivot on each side of the second piece. The traction rods are arranged to rotate about a second pivot on each side of the first piece. The ends of the two arms of the closing lever and the traction rods are fixed by means of a third, movable pivot so as to interact mutually in order to cause the closing and opening of the device.

24 Claims, 3 Drawing Sheets



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and connection pivot axes are aligned with each other at an aligned position during the opening and closing movement.

4. The device of claim 3, wherein with the support members in the closed position, the connection pivot axis is disposed further from the support pivot axis than a plane defined between the traction and lever pivot axes.

5. The device of claim 1, wherein the lever comprises a handle disposed at an angle about the lever pivot axis from the connection pivot axis.

6. The device of claim 1, wherein the connection pivot axis is movable towards and away from the support pivot axis.

7. A beverage dispensing device for extracting a substance for preparing a beverage, comprising:

first and second support members pivotally connected together at a support pivot axis and comprising an open position for receiving the substance between the support members and a closed position in which the support members cooperatively define an extraction cavity therebetween, wherein the support members have a front oriented in a direction extending from the support pivot axis toward the extraction cavity, and a rear oriented in an opposite direction from the front;

a liquid intake associated with the extraction cavity for feeding a liquid into the cavity for mixing with the substance to form a beverage mixture;

a fluid exit associated with the extraction cavity for extracting the mixture; and

a linkage operatively associated with the support members for moving the members relative to each other between the open and closed positions, the linkage comprising:

and operation lever pivotally connected to the second support member at a lever pivot axis, the operation lever comprising a handle configured for operation and manipulation by a user for opening and closing the support members, the handle being disposed in front of the extraction cavity with the support members in the closed position, and

a traction arm pivotally connected to the first support member at a traction pivot axis, the traction arm being connected to the operation lever at a connection pivot axis for controlling opening and closing movement of the support members between the open and closed positions upon movement of the operation lever;

wherein the lever is disposed on the same side of the support pivot as the extraction cavity such that both are accessible to a user from the same side.

8. The device of claim 7, wherein the handle is disposed above the extraction cavity with the support members in the open position.

9. The device of claim 8, wherein the linkage is configured such that the handle rotates around the extraction cavity during movement of the support members between the open and closed positions.

10. The device of claim 7, wherein the handle is disposed in a plane extending between the extraction cavity and the support pivot with the support members in the open position.

11. The device of claim 7, wherein the extraction cavity has a center, and the traction and lever pivot axes are disposed behind the center of the extraction cavity.

12. The device of claim 1, wherein at least one of the support members comprises:

a linkage portion that is connected to the linkage, a cavity portion defining part of the cavity in the closed position, and

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a spherical joint rotationally connecting the cavity portion to the linkage portion for enabling the cavity portion to rotate for receiving the substance and aligning against the other of the support members in the closed position.

13. The device of claim 1, wherein one of the support members is fixed against rotation.

14. The device of claim 1, wherein the fluid exit is disposed for extracting the mixture from below the extraction cavity.

15. The device of claim 1, further comprising a heater upstream of the liquid intake and configured for heating the liquid, wherein the liquid comprises water.

16. The device of claim 1, wherein:  
the lever comprises first and second levers pivotally connected to the second support portion at the lever pivot axis; and

the traction arm comprises first and second traction arms pivotally connected to the first support member at a traction pivot axis and to the first and second levers, respectively, at the traction pivot axis.

17. The device of claim 1, wherein the device is configured for making individual cups of coffee.

18. The device of claim 1, wherein:  
the extraction cavity is configured for receiving a capsule containing the substance;

the liquid intake is configured for injecting the liquid into the capsule in the extraction cavity; and  
the fluid exit is configured for opening the capsule for extracting the beverage mixture.

19. A beverage dispensing device for extracting a substance for preparing a beverage, comprising:

first and second members movably associated with each other for moving between a open and closed positions; a cavity portion cooperating with the first support member to define an extraction cavity therebetween with the support members in the closed position, the cavity being configured for receiving the substance with the support members in the open position;

a spherical joint rotationally connecting the cavity portion to second support member for enabling the cavity portion to rotate for receiving the substance and aligning against the other of the support members in the closed position;

a liquid intake associated with the extraction cavity for feeding a liquid into the cavity for mixing with the substance to form a beverage mixture; and

a fluid exit associated with the extraction cavity for extracting the mixture.

20. The device of claim 19, wherein:  
the extraction cavity is configured for receiving a capsule containing the substance;

the liquid intake is configured for injecting the liquid into the capsule in the extraction cavity; and  
the fluid exit is configured for opening the capsule for extracting the beverage mixture.

21. The device of claim 1, wherein the extraction cavity has a center, and the traction pivot axis is disposed substantially between support pivot axis and the extraction cavity center.

22. The device of claim 1, wherein the lever and connection axis are disposed in the front side with the support members in the closed position.

23. A beverage dispensing device for extracting a substance for preparing a beverage, comprising:  
first and second support members pivotally connected together at a support pivot axis and comprising an open

axes

together

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- position for receiving the substance between the support members and a closed position in which the support members cooperatively define an extraction cavity therebetween;
- a liquid intake associated with the extraction cavity for feeding a liquid into the cavity for mixing with the substance to form a beverage mixture;
- a fluid exit associated with the extraction cavity for extracting the mixture; and
- a linkage operatively associated with the support members for moving the members relative to each other between the open and closed positions, the linkage comprising:
- an operation lever pivotally connected to the second support member at a lever pivot axis, and

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a traction arm pivotally connected to the first support member at a traction pivot axis, the traction arm being connected to the operation lever at a connection pivot axis for controlling opening and closing movement of the operation lever,

wherein the linkage is configured and the pivot axes disposed such that the traction, lever, and connection pivots axes are aligned with each other at an aligned position during the opening and closing movement.

24. The device of claim 23, wherein the lever is disposed on the same side of the support pivot as the extraction cavity such that both are accessible to a user from the same side.

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\* \* \* \* \*

*Support members between the  
open and closed positions upon  
movement of the*